IN THE CLAIMS:

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Please cancel without prejudice Claims 1-16.

Please add the following newly drafted Claims 17-20.

1 17. (New) An apparatus for determining the elements in a semiconductor wafer, 2 comprising: 3 a conductor member having an aperture, the conductor member has a size to 4 extend across the semiconductor wafer and contact one surface of the semiconductor wafer to 5 enable an application of uniform potential to be applied to the entire surface of the 6 semiconductor wafer to be sampled; 7 means for mounting the semiconductor wafer on the conductor member; 8 a glow discharge chamber unit having an anode and an opening adjacent the 9 aperture of the conductor member: 10 means for exerting a force on the semiconductor wafer to seal at least a portion of 11 the surface to be sampled to the glow discharge chamber unit opening when mounted on the 12 conductor member; 13 means for providing a sputtering gas to the glow discharge chamber unit: 14 means for providing an electrical charge of sufficient power to the conductor 15 member to uniformly charge the surface of the semiconductor wafer as a cathode to the anode, 16 whereby a glow discharge emission is created as the semiconductor wafer is sputtered; and 17 means for providing a spectroscopic analysis of the light from the glow discharge 18 emission to determine the elements in the semiconductor wafer.

1	16. (New) The apparatus of Claim 17 wherein the conductor member is larger in size
2	than the semiconductor wafer.
1	19. (New) The apparatus of Claim 17, wherein the conductor member is resiliently
2	mounted to permit adjustable movement between the conductor member and the semiconductor
3	wafer when the semiconductor wafer is mounted on the conductor member.
1	20. (New) A system for determining the elements in a semiconductor sample,
2	comprising:
3	a semiconductor wafer;
4	a conductor member, the conductor member has a size to extend across a first
5	surface of the semiconductor wafer to enable an application of uniform potential to be applied to
6	a surface of the semiconductor wafer to be sampled;
7	means for mounting the first surface of the semiconductor wafer on the conductor
8	member;
9	a glow discharge chamber unit having an anode and an opening adjacent the
10	conductor member;
11	means for exerting a force on the semiconductor wafer to seal at least a portion of
12	a second surface of the semiconductor wafer to be sampled to the glow discharge chamber unit
13	opening when mounted on the conductor member;
14	means for providing a sputtering gas to the glow discharge chamber unit;
15	means for providing an electrical charge of sufficient power to the conductor
16	member to uniformly change the first surface of the semiconductor wafer as a cathode to the

- 17 anode, whereby a glow discharge emission is created as the semiconductor wafer is sputtered;
- 18 and
- means for providing a spectroscopic analysis of the light from the glow discharge
- 20 emission to determine the elements in the semiconductor wafer.